



**DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY  
AFFAIRS (PERA)  
BOARD AND CODE ADMINISTRATION DIVISION  
NOTICE OF ACCEPTANCE (NOA)**

**MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION**  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/pera/](http://www.miamidade.gov/pera/)

**WinDoor, Inc.**  
**7500 Amsterdam Drive**  
**Orlando, FL 32832**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Series "9030 Thermally Broken" Aluminum Fixed Window - L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **08-01088**, titled "Series 9030 Thermally Broken Aluminum Removable Sash Fixed Window LMI", sheets 1 through 11 of 11, dated 01/10/11 with revision A dated 01/03/12, prepared by manufacturer, signed and sealed by Luis R. Lomas, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Manuel Perez, P.E.**



**NOA No. 11-1007.02**  
**Expiration Date: March 08, 2017**  
**Approval Date: March 08, 2012**  
**Page 1**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **08-01088**, titled "Series 9030 Thermally Broken Aluminum Removable Sash Fixed Window LMI", sheets 1 through 11 of 11, dated 01/10/11 with revision A dated 01/03/12, prepared by manufacturer, signed and sealed by Luis R. Lomas, P.E.

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram of a Series 9030 aluminum fixed window, prepared by National Certified Testing Laboratories, Test Report No. **NCTL-210-3706-2**, dated 01/26/10, signed and sealed by Gerard J. Ferrara, P.E.

**C. CALCULATIONS:**

1. Anchor verification calculations and structural analysis, complying with FBC-2007 and FBC-2010, dated 01/10/11, prepared, signed and sealed by Luis R. Lomas, P.E.
2. Glazing complies with ASTM E1300-04

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.

**F. STATEMENTS**

1. Statement letter of conformance, complying with the FBC-2007 and FBC-2010 and of no financial interest, dated January 25, 2012, signed and sealed by Luis R. Lomas, P.E.
2. Proposal No. **10-0264R** issued by BNC, dated April 27, 2010, signed by Manuel Perez, P. E.

**G. OTHERS**

1. None.

  
Manuel Perez, P.E.

Product Control Examiner  
NOA No. 11-1007.02

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This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Series "9030 Thermally Broken" Aluminum Fixed Window - L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **08-01088**, titled "Series 9030 Thermally Broken Aluminum Removable Sash Fixed Window LMP", sheets 1 through 11 of 11, dated 01/10/11 with revision A dated 01/03/12, prepared by manufacturer, signed and sealed by Luis R. Lomas, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

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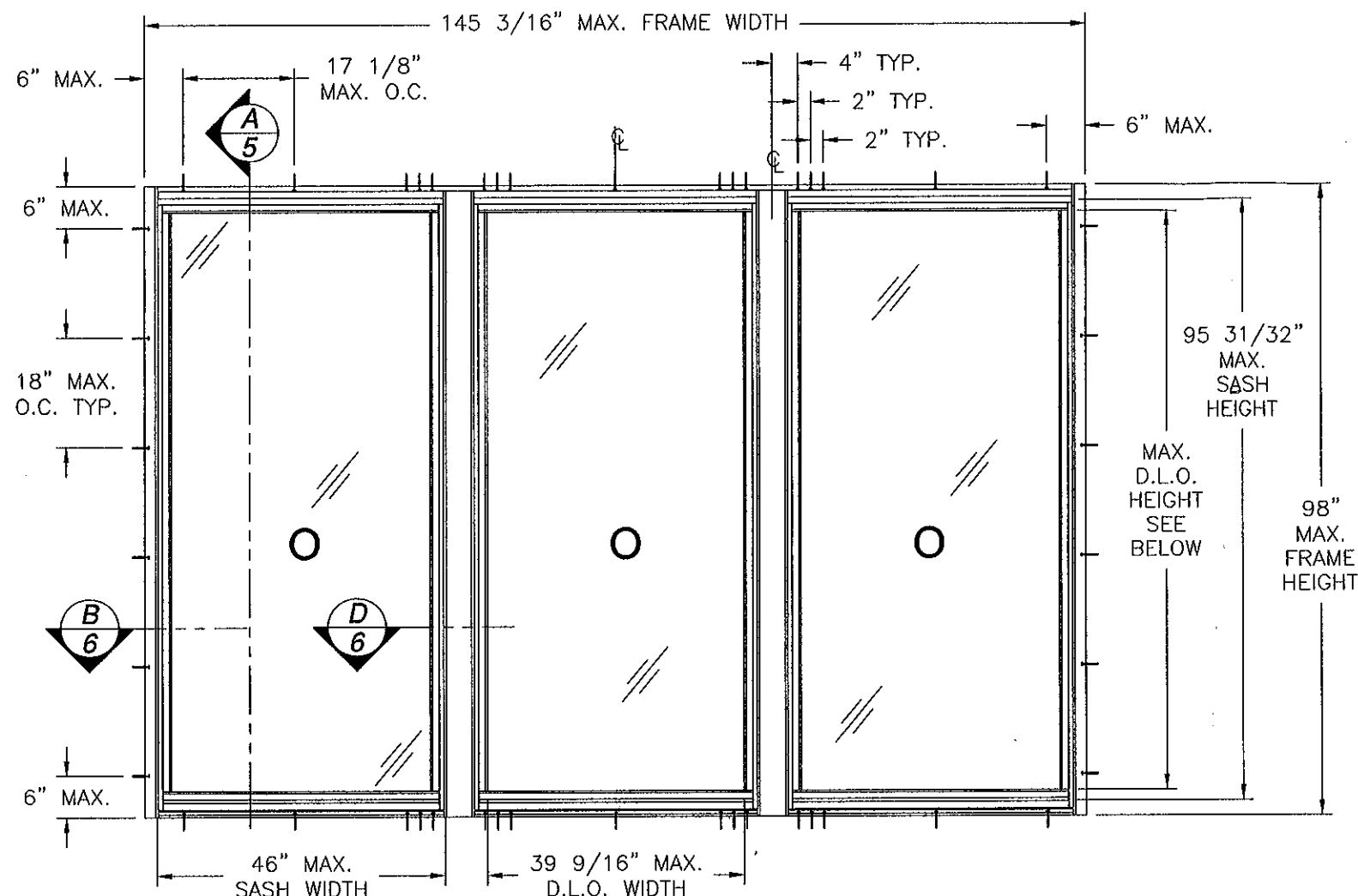
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**NOA No. 11-1007.02**  
**Expiration Date: March 08, 2017**  
**Approval Date:**  
**Page 1**

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED NOTES AND TITLES	01/03/12	R.L.



**SERIES 9030 MULLED THERMALLY BROKEN REMOVABLE SASH FIXED WINDOW -  
NON-REINFORCED MULLION**

UNITS MAY BE STACKED VERTICALLY OR HORIZONTALLY  
D.L.O. HEIGHT WITH STANDARD BOTTOM RAIL = 89 7/8"  
D.L.O. HEIGHT WITH MEDIUM BOTTOM RAIL = 88 1/16"  
D.L.O. HEIGHT WITH TALL BOTTOM RAIL = 84 13/16"

EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±90PSF	LARGE MISSILE IMPACT

NOTES:

- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
- 2) WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 3) 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 4) ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- 5) FRAME AND SASH MATERIAL: THERMALLY BROKEN EXTRUDED ALUMINUM 6063-T6
- 6) UNITS MUST BE GLAZED PER ASTM E1300-04. SEE SHEET 4 FOR GLAZING OPTIONS.
- 7) APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
- 8) SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
- 9) FOR ANCHORING INTO MASONRY/CONCRETE USE 1/4" ITW TAPCON WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 10) FOR ANCHORING INTO WOOD FRAMING, DOUBLE 2X BUCK OR 2X BACKED 20GA. STEEL FRAMING USE #12 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 5/8" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 3/4" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 11) ALL FASTENERS TO BE CORROSION RESISTANT.
- 12) INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
  - A. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.46
  - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
  - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
  - D. STEEL FRAMING: 2X BACKED 20GA. (.039" MIN.) STEEL FRAMING.
- 13) APPROVED MULLED CONFIGURATIONS: UNLIMITED UNITS AS LONG AS SASH SIZE AS SHOWN IS NOT EXCEEDED.
- 14) ALL FASTENER INSTALLATION ARE DOUBLE ROWS.

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1 - 2	MULLED ELEVATION, ANCHORING LAYOUT AND NOTES
3	SINGLE ELEVATIONS AND ANCHORING LAYOUTS
4	BILL OF MATERIALS AND GLAZING DETAILS
5 - 6	CROSS SECTIONS
7 - 9	INSTALLATION DETAILS
10 - 11	COMPONENTS

Approved as complying with the  
Florida Building Code  
Date March 8, 2012  
NOA# 11-1007-02  
Miami Dade Product Control

By Manuel Perez

**WinDoor**  
INCORPORATED

7500 AMSTERDAM DRIVE  
ORLANDO, FL 32832

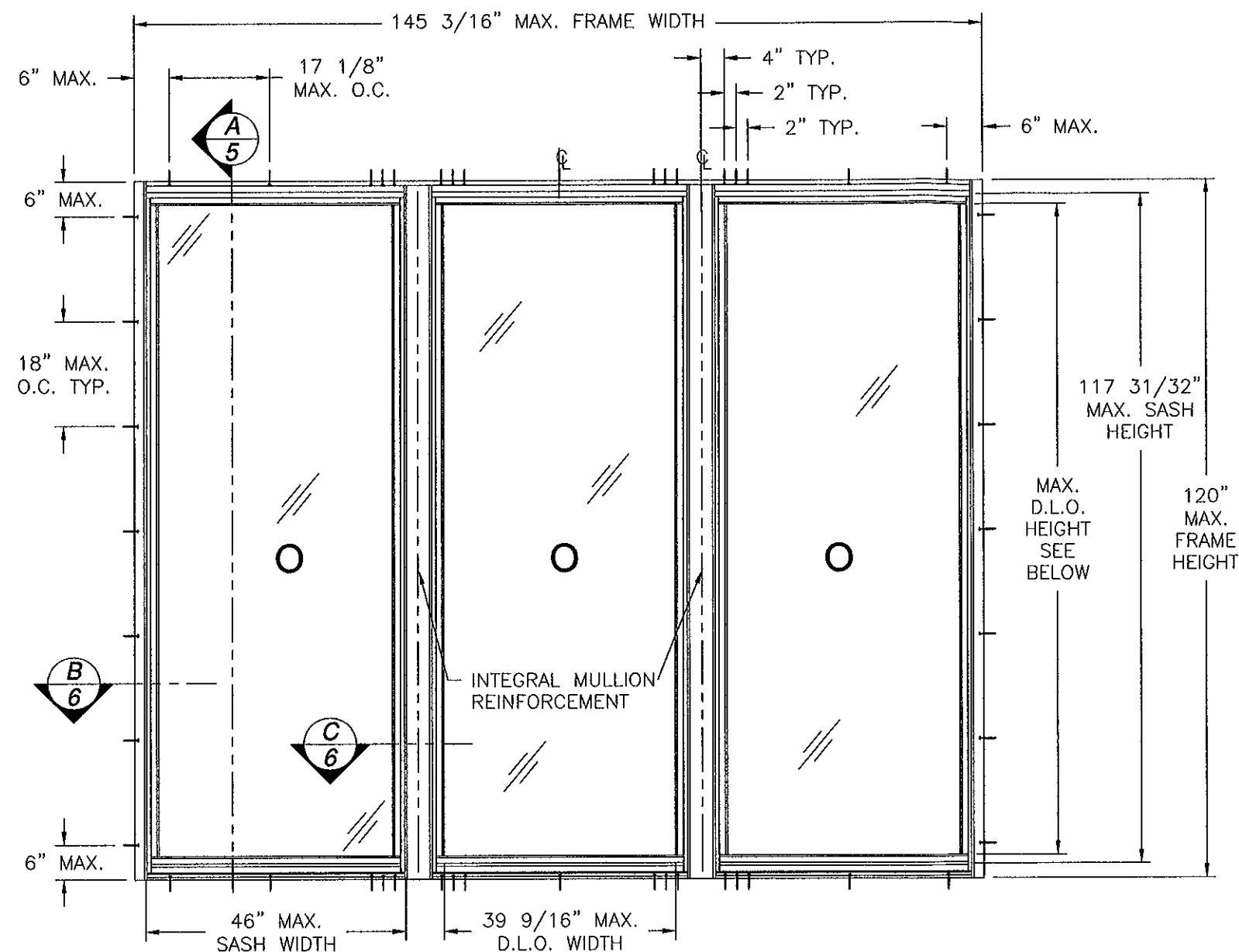
Phone: 407.481.8400  
Fax: 407.481.0505  
www.windoorinc.com

SERIES 9030 THERMALLY BROKEN ALUMINUM  
REMOVABLE SASH FIXED WINDOW LMI  
MULLED ELEVATION, ANCHORING LAYOUT AND NOTES

DRAWN: TJH	DWG NO. 08-01088	REV A
SCALE NTS	DATE 01/10/11	SHEET 1 OF 11

01/05/12

Luis R. Lomas P.E.  
Florida No. 62514



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED NOTES AND TITLES	01/03/12	R.L.

**FRAME CONSTRUCTION:**  
 FRAME JAMBS ARE COPED AND BUTTED TO HEAD AND SILL AND ATTACHED WITH (4) #8 x 1 1/2" (ITEM #31) PH SMS AT EACH CORNER. INTEGRAL MULLION IS NOTCHED BUTTED TO HEAD AND SILL AND ATTACHED THROUGH HEAD AND SILL WITH (8) #8 x 1 1/2" (ITEM #31) PH SMS.

**SASH CONSTRUCTION:**  
 SASH STILES ARE COPED AND BUTTED TO TOP AND BOTTOM RAILS. STANDARD BOTTOM RAIL AND TOP RAIL ARE ATTACHED WITH (4) #8 x 1 1/2" (ITEM #31) PH SMS AT EACH CORNER. STILES ARE ATTACHED TO TALL BOTTOM RAIL WITH (6) #8 x 1 1/2" (ITEM #31) PH SMS AT EACH CORNER.

**SASH TO FIXED FRAME ATTACHMENT:**  
 SASH IS ATTACHED TO FIXED FRAME WITH #10 x 5/8" (ITEM #32) SELF DRILLING SCREWS. SCREWS ARE LOCATED 5" FROM ALL CORNERS AND 10" O.C. THEREAFTER.

**SERIES 9030 MULLED THERMALLY BROKEN REMOVABLE SASH FIXED WINDOW-  
 REINFORCED MULLION**

UNITS MAY BE STACKED VERTICALLY OR HORIZONTALLY  
 D.L.O. HEIGHT WITH STANDARD BOTTOM RAIL = 111 7/8"  
 D.L.O. HEIGHT WITH MEDIUM BOTTOM RAIL = 110 1/16"  
 D.L.O. HEIGHT WITH TALL BOTTOM RAIL = 106 13/16"  
 EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±60PSF	LARGE MISSILE IMPACT

Approved as complying with the  
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 Date MARCH 8, 2012  
 NOA# 11-1007-02  
 Miami Dade Product Control  
 By Mmanuel Perez

**WinDoor**  
 INCORPORATED

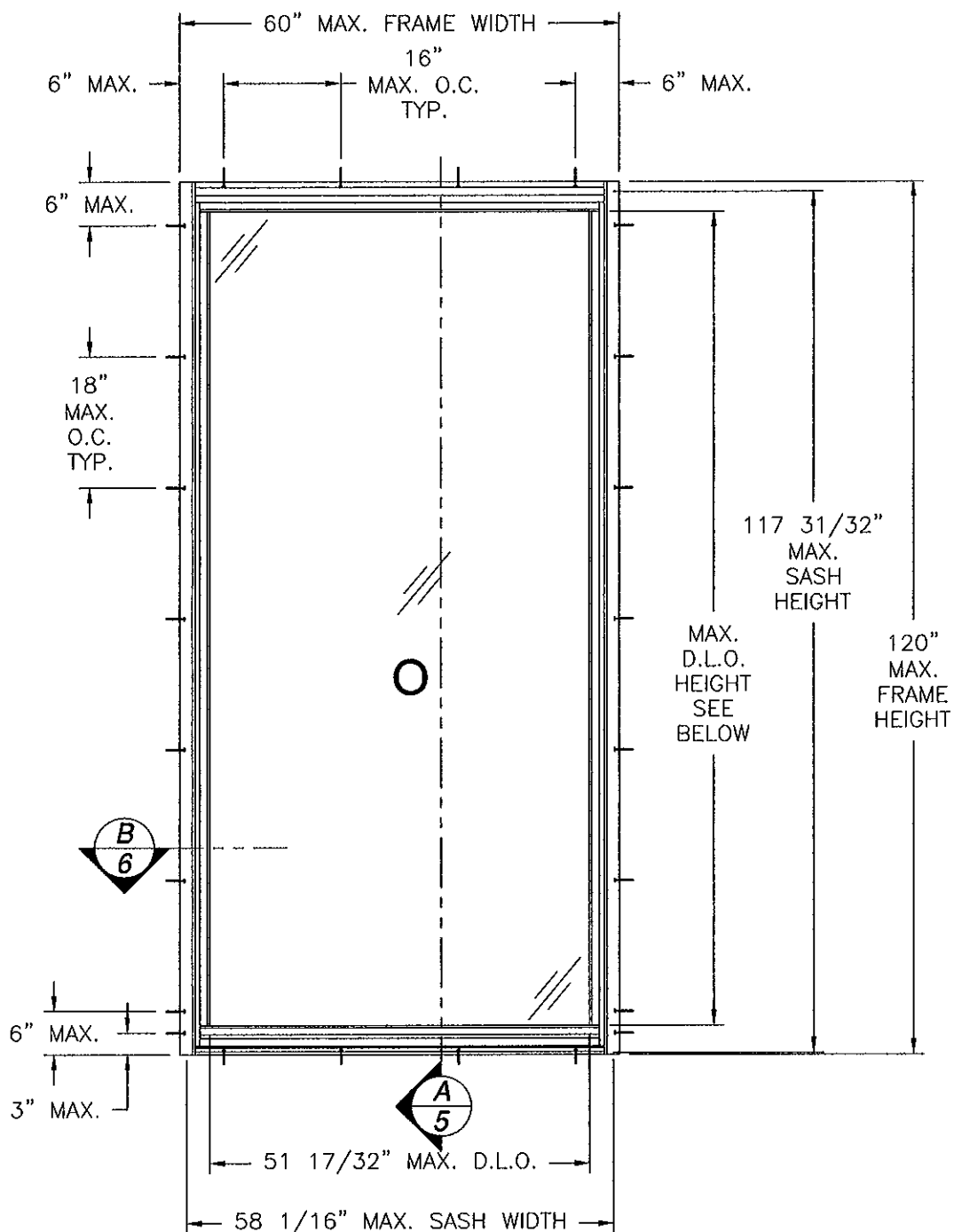
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 REMOVABLE SASH FIXED WINDOW LMI  
 MULLED ELEVATION, ANCHORING LAYOUT AND NOTES

DRAWN: TJH	DWG. NO. 08-01088	REV A
SCALE NTS	DATE 01/10/11	SHEET 2 OF 11

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 01/05/12

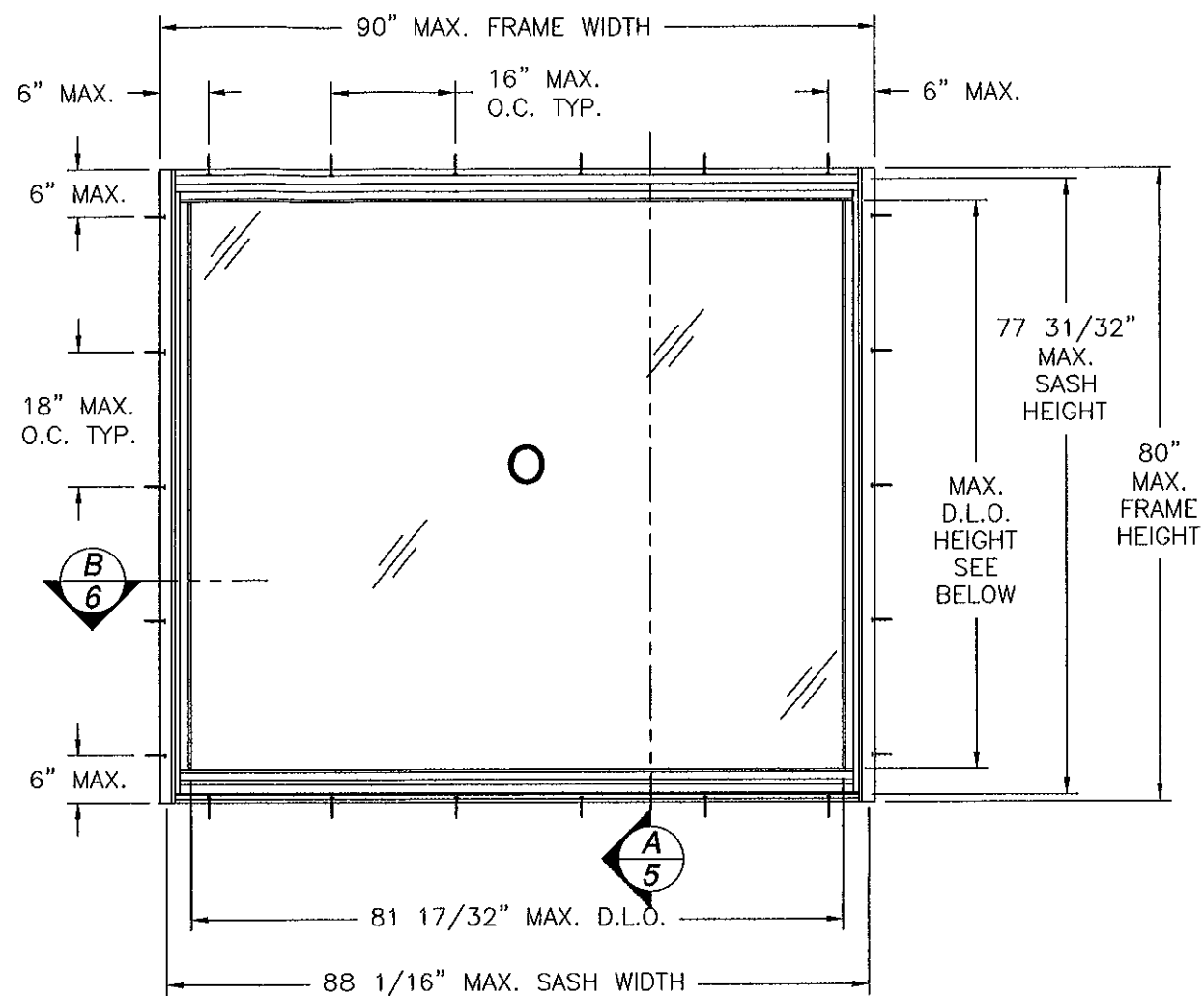
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**SERIES 9030 THERMALLY BROKEN REMOVABLE SASH FIXED WINDOW**

D.L.O. HEIGHT WITH STANDARD BOTTOM RAIL = 111 7/8"  
 D.L.O. HEIGHT WITH MEDIUM BOTTOM RAIL = 110 1/16"  
 D.L.O. HEIGHT WITH TALL BOTTOM RAIL = 106 7/16"  
 EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±100PSF	LARGE MISSILE IMPACT



**SERIES 9030 THERMALLY BROKEN REMOVABLE SASH FIXED WINDOW**

D.L.O. HEIGHT WITH STANDARD BOTTOM RAIL = 71 7/8"  
 D.L.O. HEIGHT WITH MEDIUM BOTTOM RAIL = 70 1/16"  
 D.L.O. HEIGHT WITH TALL BOTTOM RAIL = 66 7/16"  
 EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±110PSF	LARGE MISSILE IMPACT

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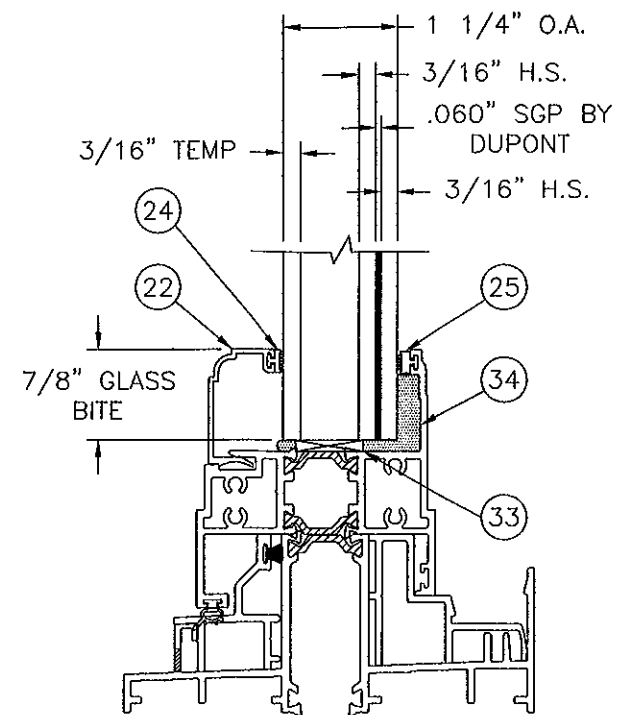
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 SINGLE ELEVATIONS AND ANCHORING LAYOUTS

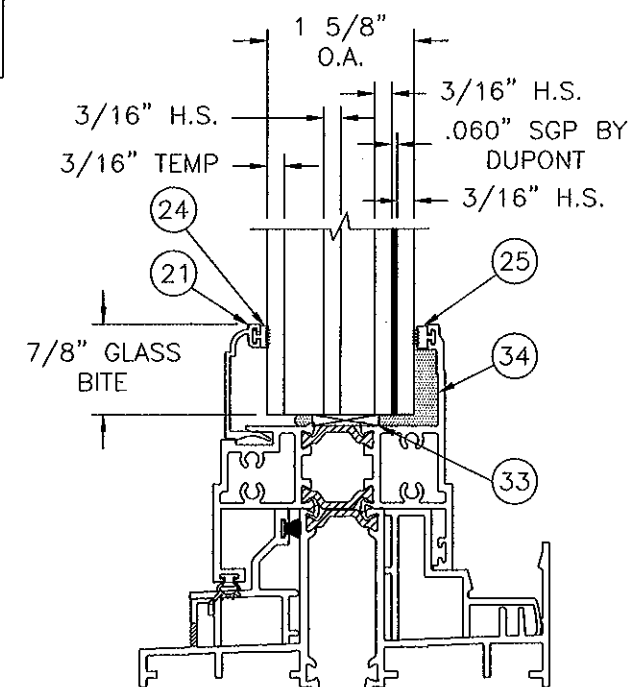
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SCALE NTS	DATE 01/10/11	SHEET 3 OF 11

*[Signature]*  
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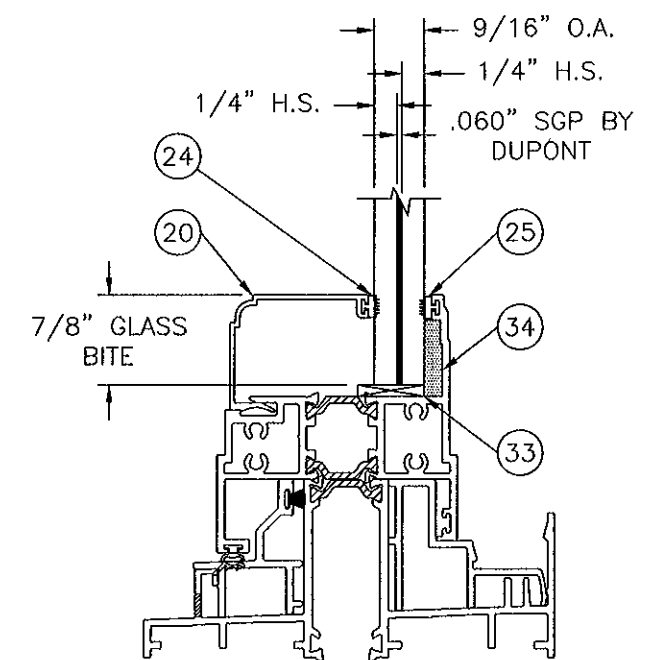
PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	903A-FR-1.2	FRAME HEAD ASSEMBLY	BONNELL	ALUMINUM 6063-T6
2	903A-FR-3.4	FRAME SILL ASSEMBLY	BONNELL	ALUMINUM 6063-T6
3	903A-FR-7.8	FRAME JAMB ASSEMBLY	BONNELL	ALUMINUM 6063-T6
4	903A-PN-1.2	PANEL TOP RAIL ASSEMBLY	BONNELL	ALUMINUM 6063-T6
5	903A-PN-3.4	PANEL BOTTOM RAIL ASSEMBLY	BONNELL	ALUMINUM 6063-T6
6	903A-PN-7.8	PANEL MEDIUM BOTTOM RAIL ASS'Y	BONNELL	ALUMINUM 6063-T6
7	903A-PN-9.10	PANEL TALL BOTTOM RAIL ASSEMBLY	BONNELL	ALUMINUM 6063-T6
8	903A-PN-5.6	PANEL SIDE RAIL ASSEMBLY	BONNELL	ALUMINUM 6063-T6
9	903A-FR-12.13	INTEGRAL MULLION ASSEMBLY	BONNELL	ALUMINUM 6063-T6
10	903X-FR-10	FRAME HEAD EXTERIOR COVER	BONNELL	ALUMINUM 6063-T6
11	903X-FR-11	FRAME SILL COVER	BONNELL	ALUMINUM 6063-T6
12	903X-FR-06	FRAME SILL SEAT	BONNELL	ALUMINUM 6063-T6
13	903X-FR-09	FRAME HEAD/JAMB COVER	BONNELL	ALUMINUM 6063-T6
14	903X-FR-05	SILL ANCHOR COVER EXTERIOR	BONNELL	ALUMINUM 6063-T6
15	903X-FR-14	INTEGRAL MULLION COVER	BONNELL	ALUMINUM 6063-T6
16	903X-FR-15	INTEGRAL MULLION INTERIOR REINF.	BONNELL	ALUMINUM 6005-T5
17	903X-FR-16	INTEGRAL MULLION EXTERIOR REINF.	BONNELL	ALUMINUM 6005-T5
18	903X-AC-01	FRAME JAMB BACK PLATE	BONNELL	ALUMINUM 6063-T6
19	903X-AC-17	PANEL ASS'Y SCREW BACK UP PLATE	BONNELL	ALUMINUM 6063-T6
20	905X-AC-8	GLAZING BEAD 7/16" - 9/16"	KEYMARK	ALUMINUM 6063-T6
21	905X-AC-6	GLAZING BEAD 1 5/8"	KEYMARK	ALUMINUM 6063-T6
22	905X-AC-7	GLAZING BEAD 1 1/4"	KEYMARK	ALUMINUM 6063-T6
23		LMI GLASS SEE SHT. 4 FOR OPTIONS		
24	TP-875	1/4" GLAZING VINYL		RUBBER
25	TP-1051	1" GLAZING VINYL		RUBBER
26	E-207	BOTTOM RAIL BULB VINYL SEAL		POLYPROPYLENE
27	1-DEA	SPONGE FRAME & PANEL BULB SEAL		EDPM
28		SPONGE JAMB BULB FLAP SEAL		EDPM
29	13018730	FIN SEAL ULTRA HI DENSITY	ULTRA FAB	
30		#8 x 3/8" PH SMS		STAINLESS STEEL
31		#8 x 1 1/2" PH SMS		STAINLESS STEEL
32		#10 x 5/8" SELF DRILLING SCREW		
33		SETTING BLOCK		RUBBER
34	SIKAFLEX 552	GLAZING COMPOUND	SIKA CORP.	URETHANE
35	279500	20mm STRUT	TECHNOFORM US	POLYIMIDE 66
36	279700	24mm STRUT	TECHNOFORM US	POLYIMIDE 66
37	948600	14mm STRUT	TECHNOFORM US	POLYIMIDE 66
38		#8 x 3/4" PH SELF DRILLING SCREW		STAINLESS STEEL



GLAZING OPTION 1



GLAZING OPTION 3



GLAZING OPTION 2

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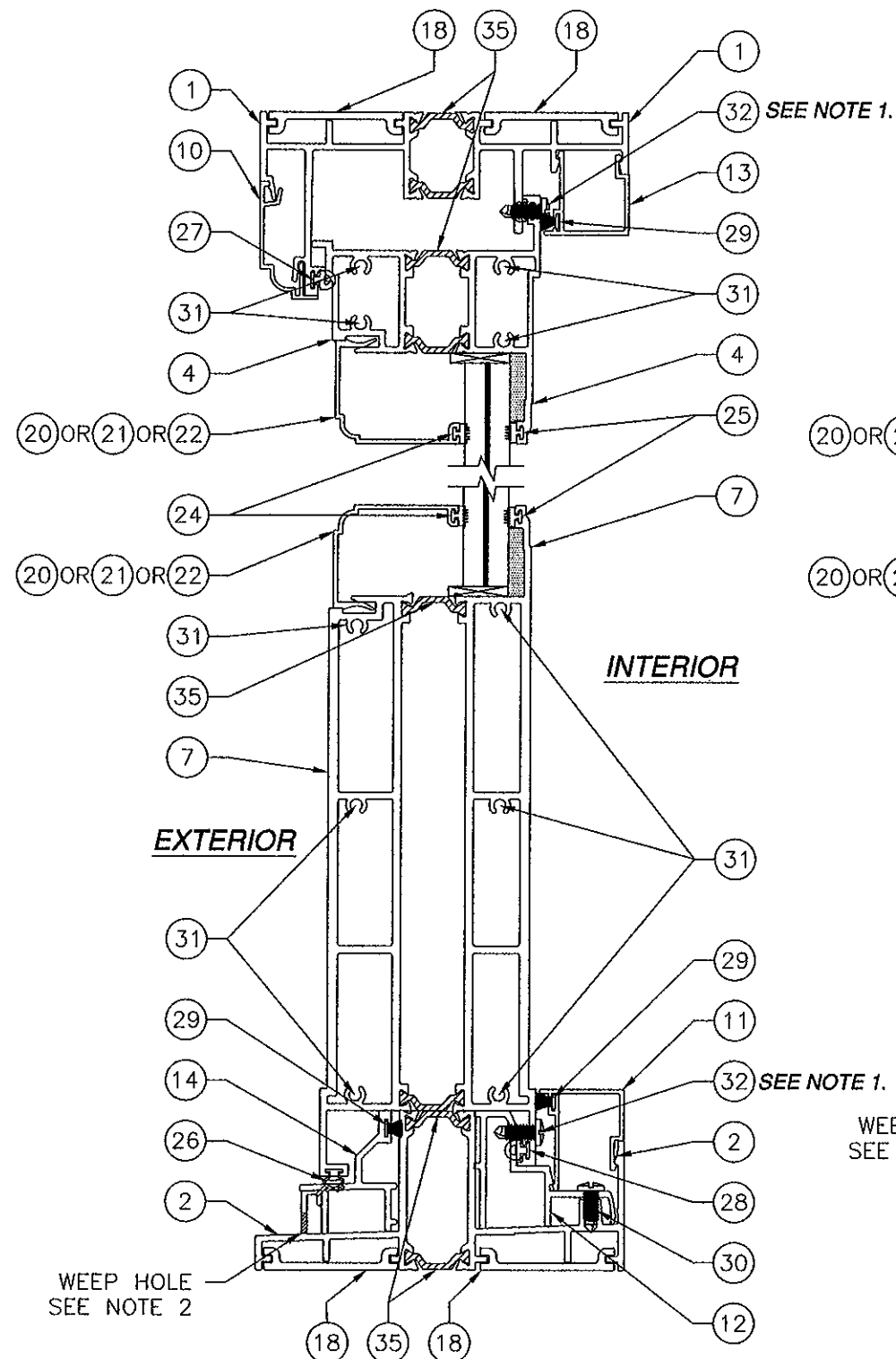
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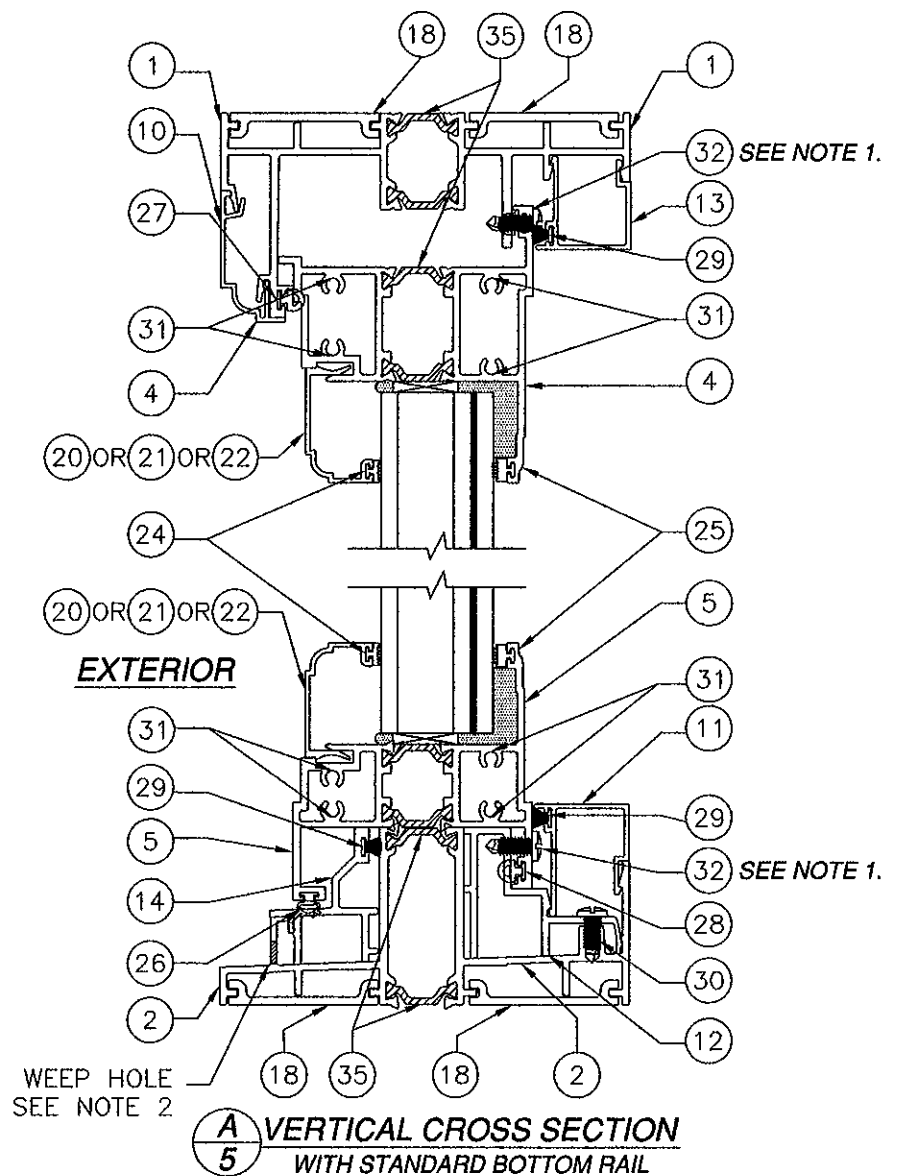
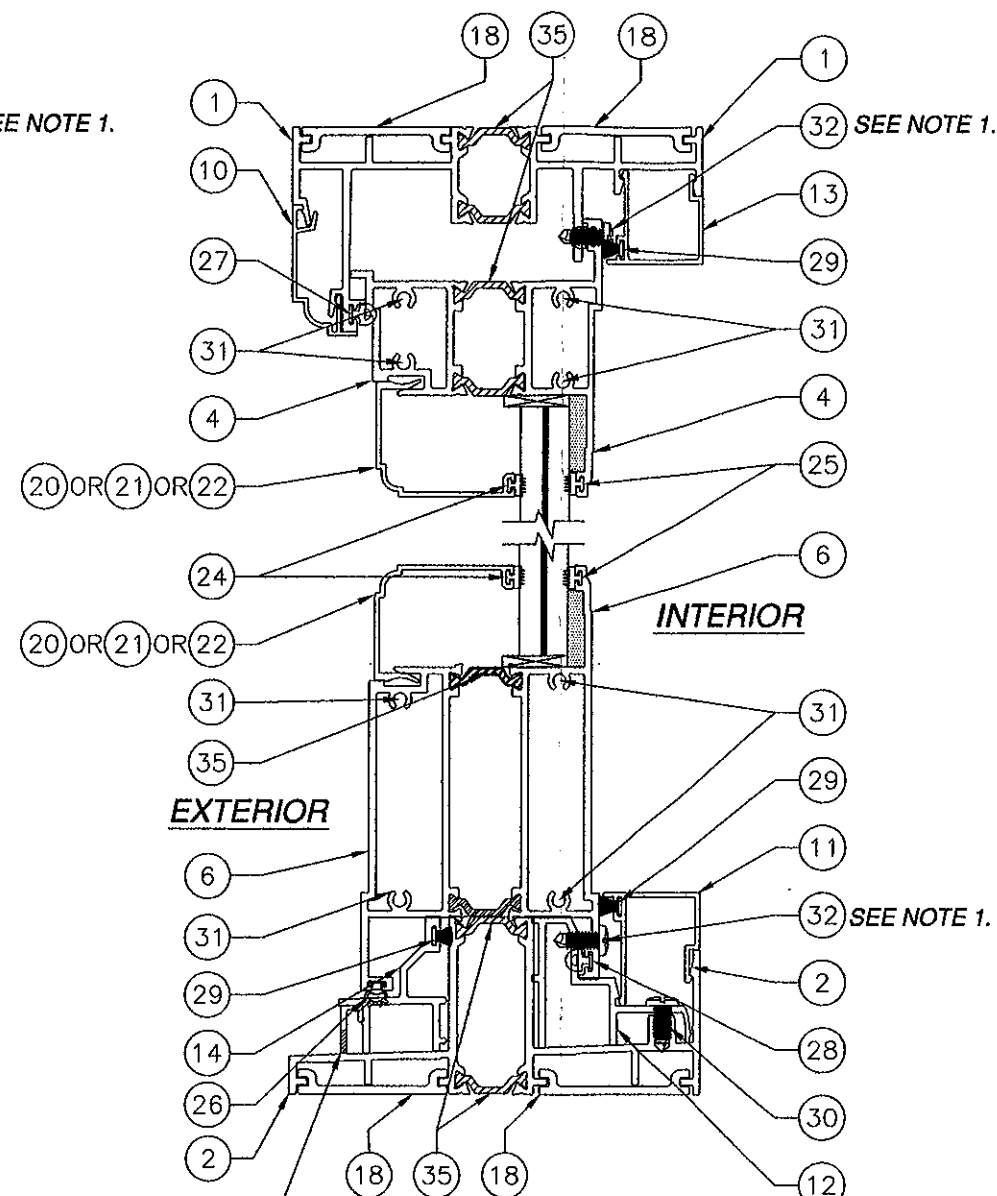
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NOTES:  
 1. SPACE ITEM 32 AT 5" FROM ENDS AND 10" O.C. THEREAFTER.  
 2. 1/4" X 1" WEEP HOLE LOCATED 4" FROM EACH END OF FRAME SILL ASSEMBLY.



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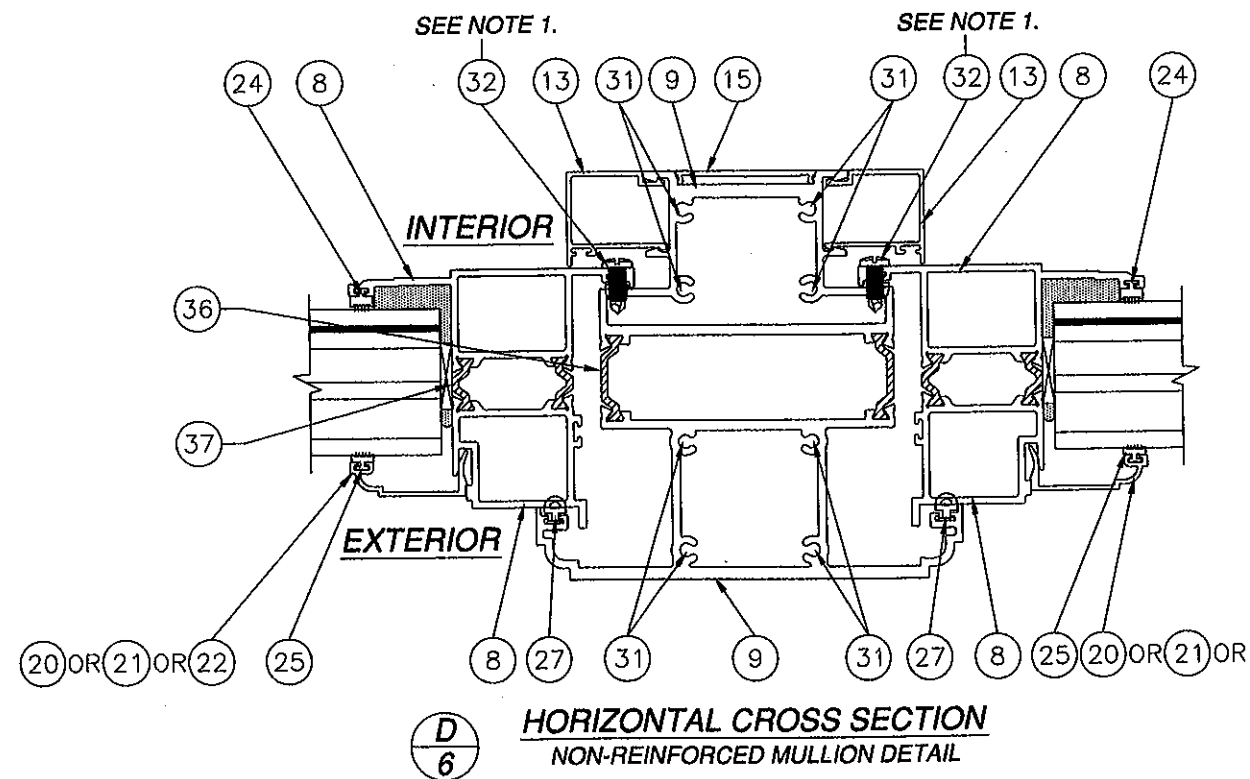
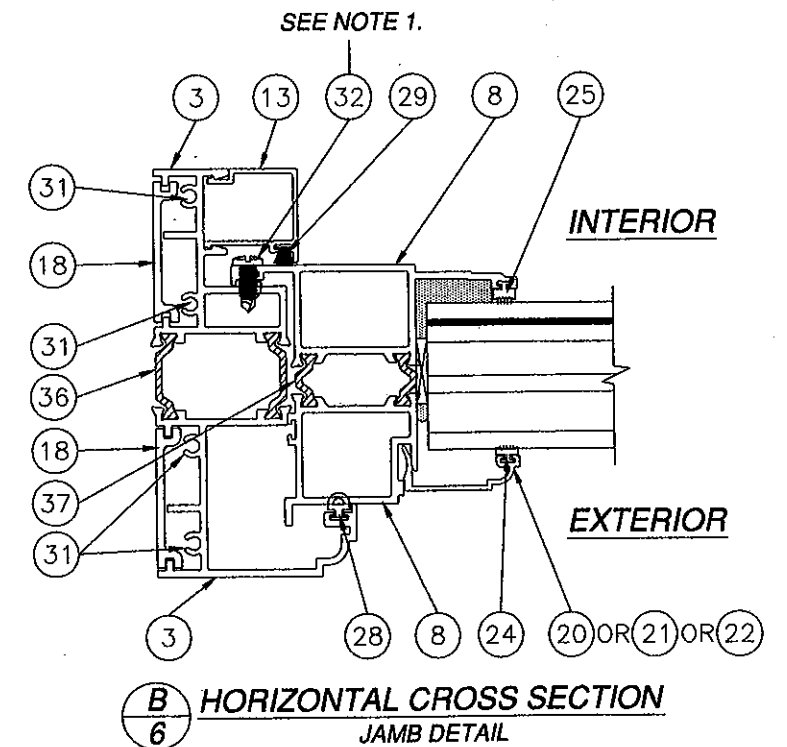
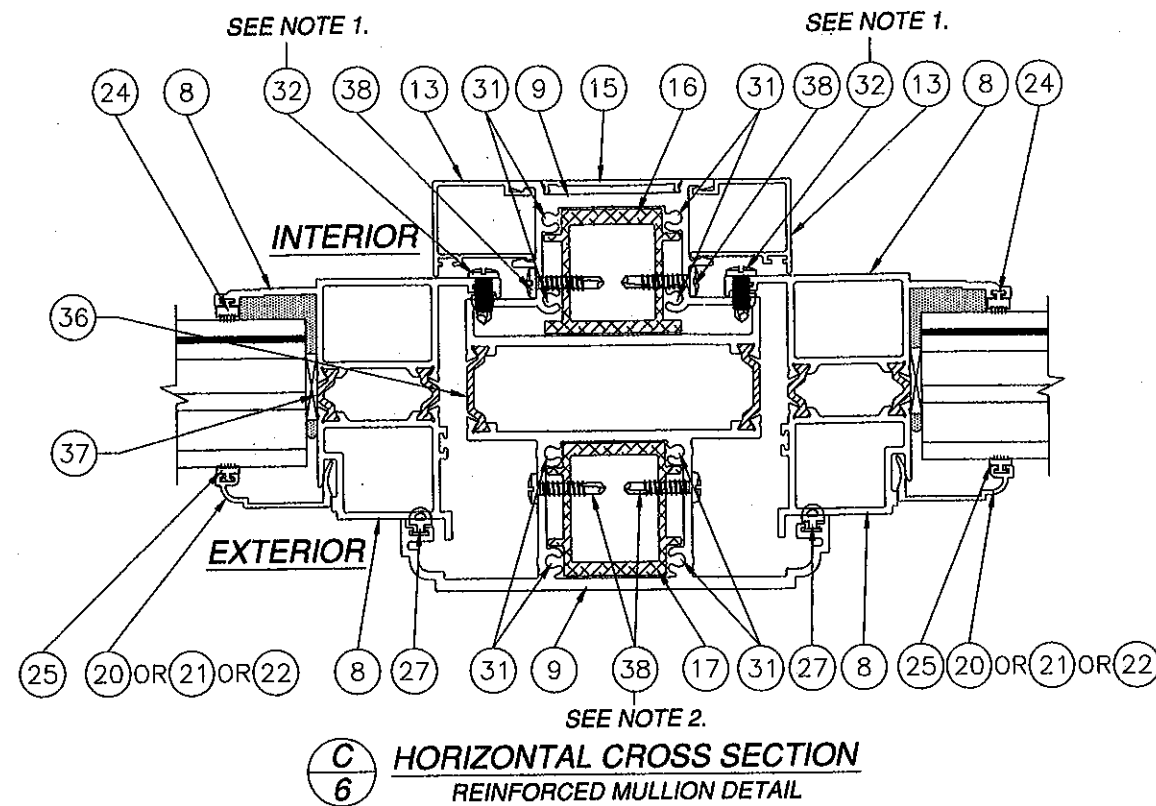
SERIES 9030 THERMALLY BROKEN ALUMINUM  
 REMOVABLE SASH FIXED WINDOW LMI  
 CROSS SECTIONS

DRAWN: TJH	DWG NO. 08-01088	REV A
SCALE NTS	DATE 01/10/11	SHEET 5 OF 11

Luis R. Lomas, P.E.  
 Florida No. 62514



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED NOTES AND TITLES	01/03/12	R.L.



- NOTES:  
 1. SPACE ITEM 32 AT 5" FROM ENDS AND 10" O.C. THEREAFTER.  
 2. SPACE ITEM 38 AT 3" FROM ENDS AND 12" O.C. THEREAFTER.

Approved as complying with the  
 Florida Building Code  
 Date: March 8, 2012  
 NOAH 11-1007-02  
 Miami Dade Product Control

By Mmanuel Perry

**WinDoor**  
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SERIES 9030 THERMALLY BROKEN ALUMINUM  
 REMOVABLE SASH FIXED WINDOW LMI  
 CROSS SECTIONS

DRAWN:  
 TJH

DWG NO.

08-01088

REV  
 A

SCALE NTS

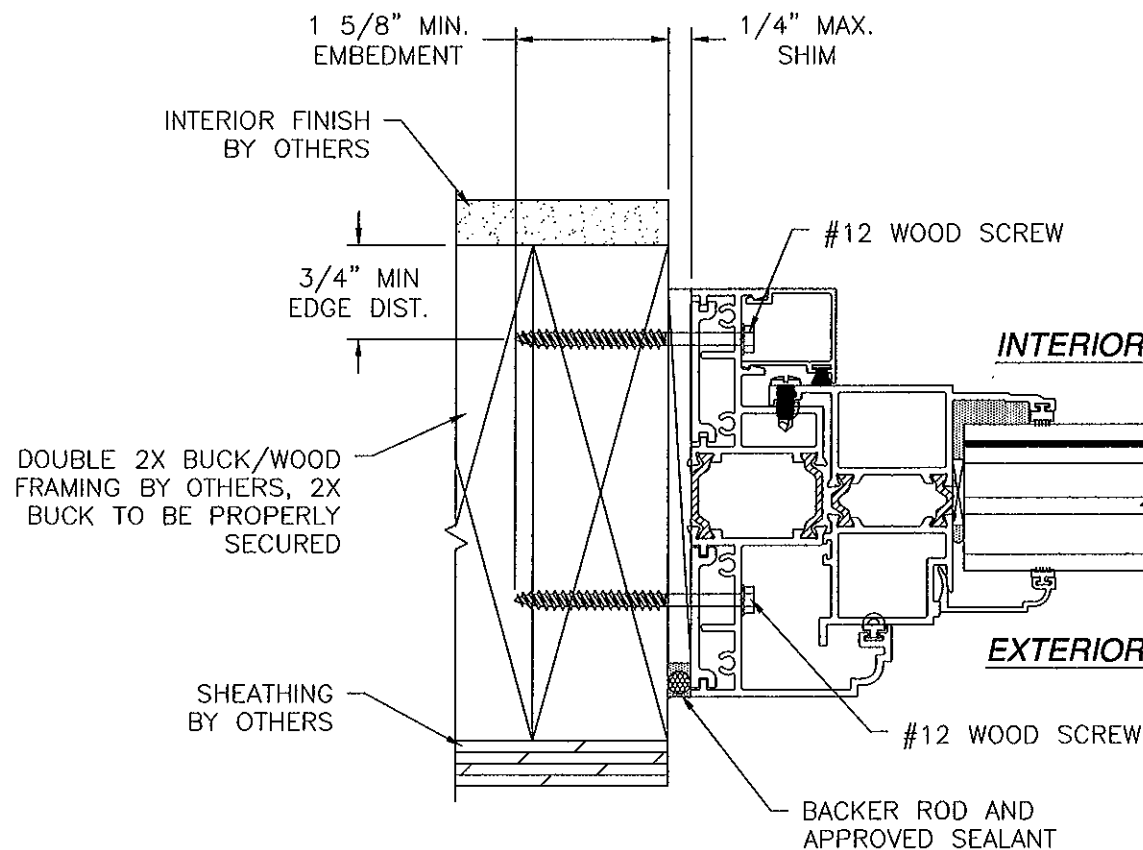
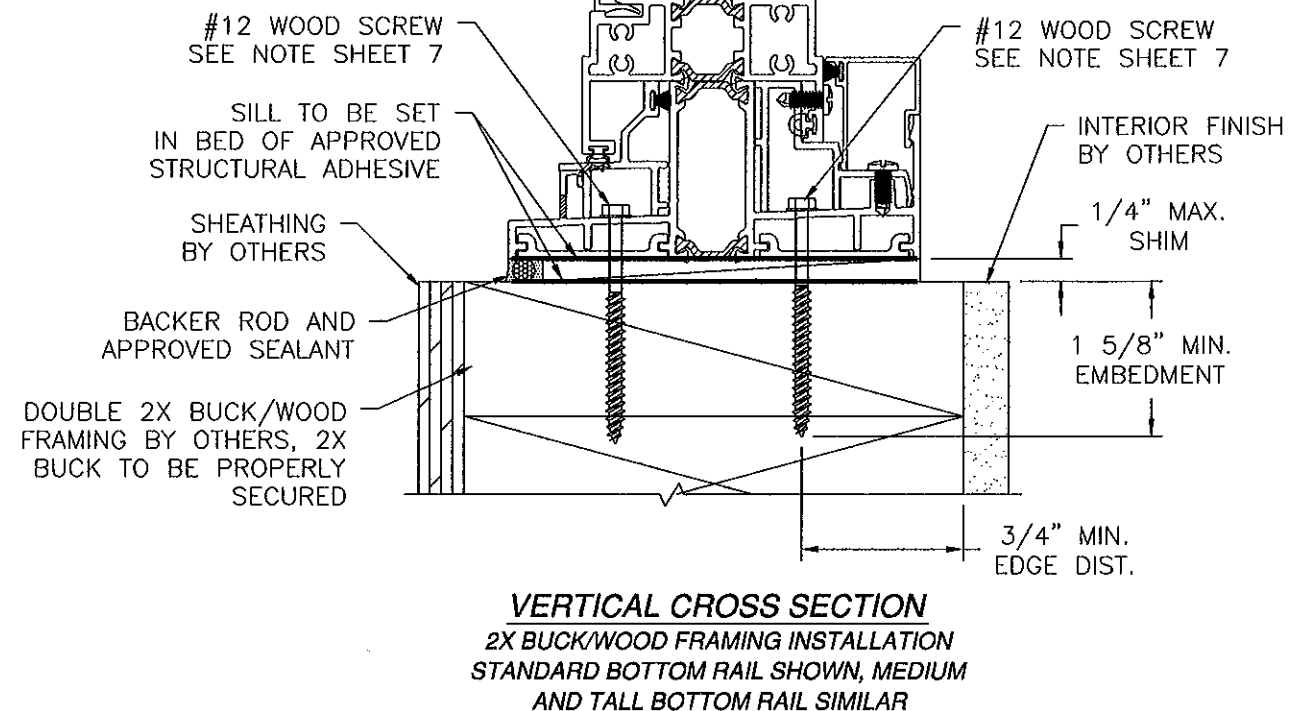
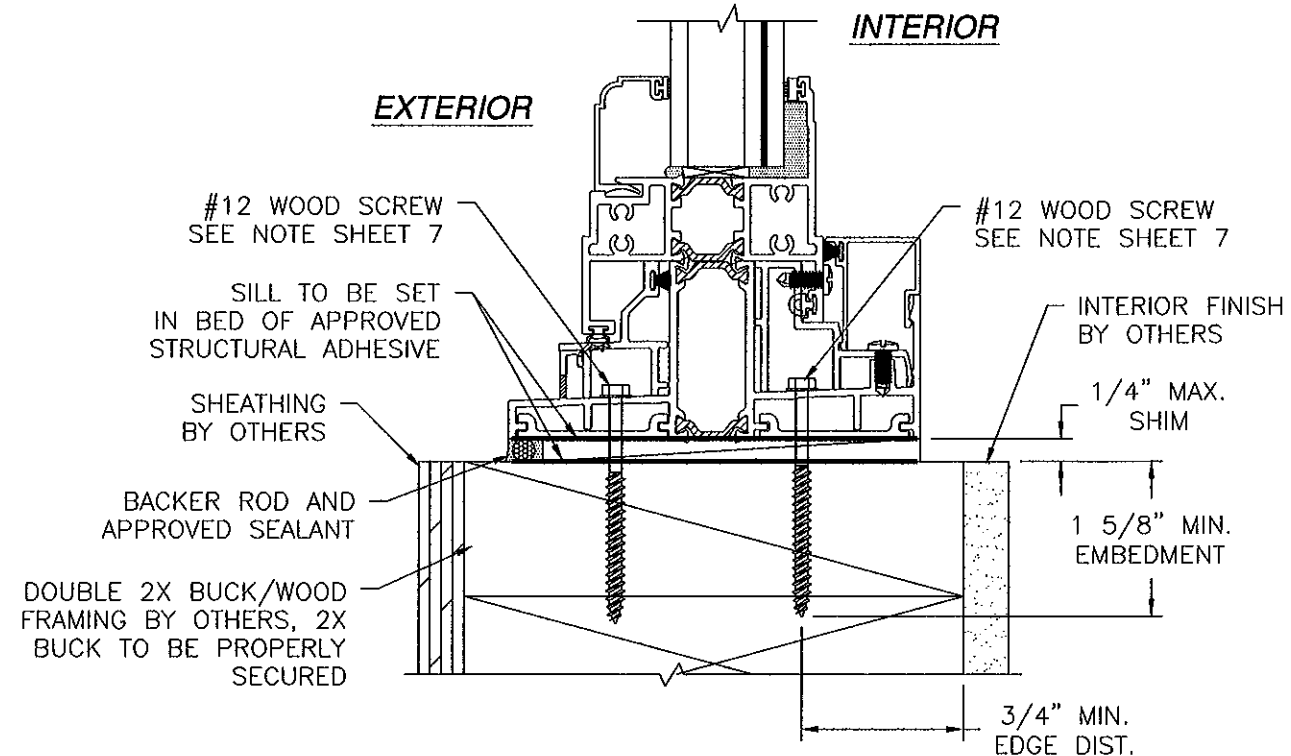
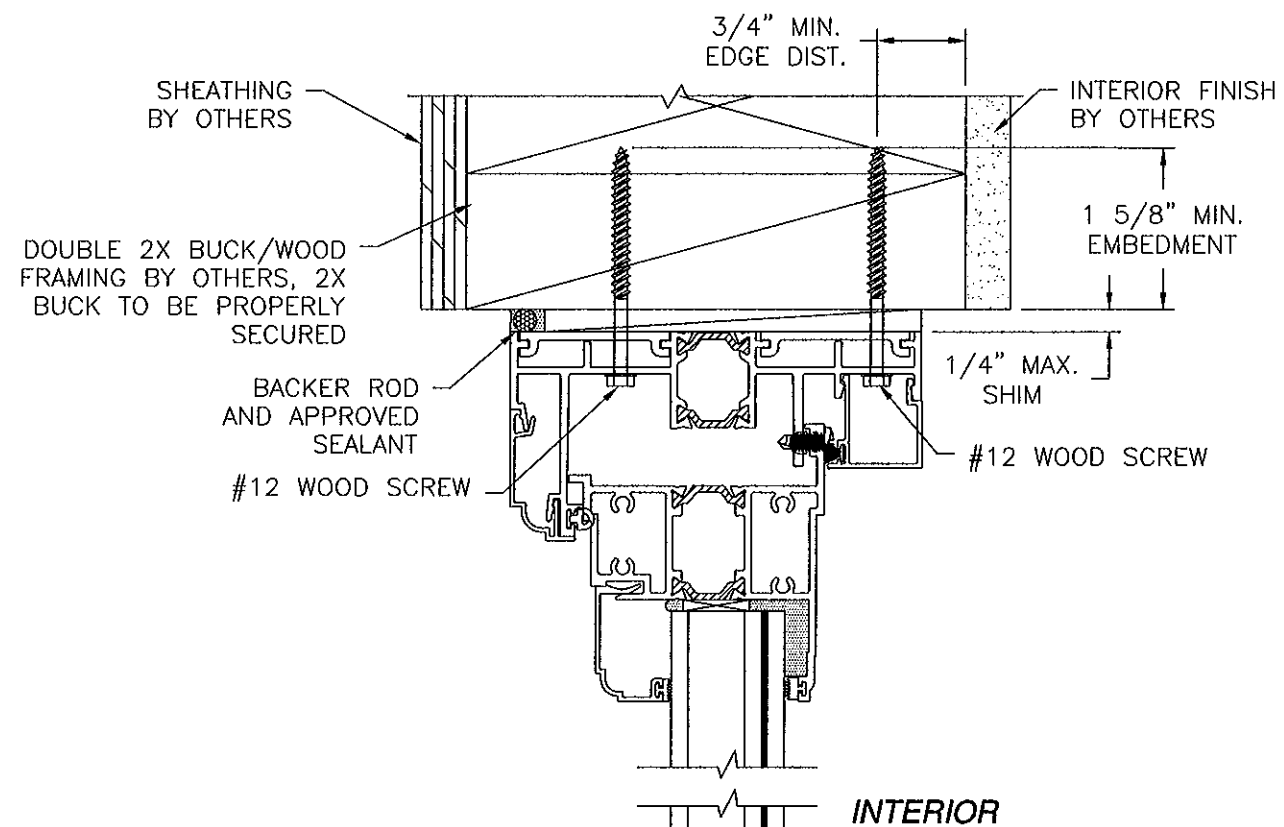
DATE 01/10/11

SHEET 6 OF 11

Luis R. Lomas  
01/05/12

Luis R. Lomas P.E.  
 Florida No. 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED NOTES AND TITLES	01/03/12	R.L.



**HORIZONTAL CROSS SECTION**  
2X BUCK/WOOD FRAMING INSTALLATION

Approved as complying with the  
Florida Building Code  
Date MARCH 8, 2012  
NOA# 17-100-1.02  
Miami Dade Product Control  
By Maurice Perez

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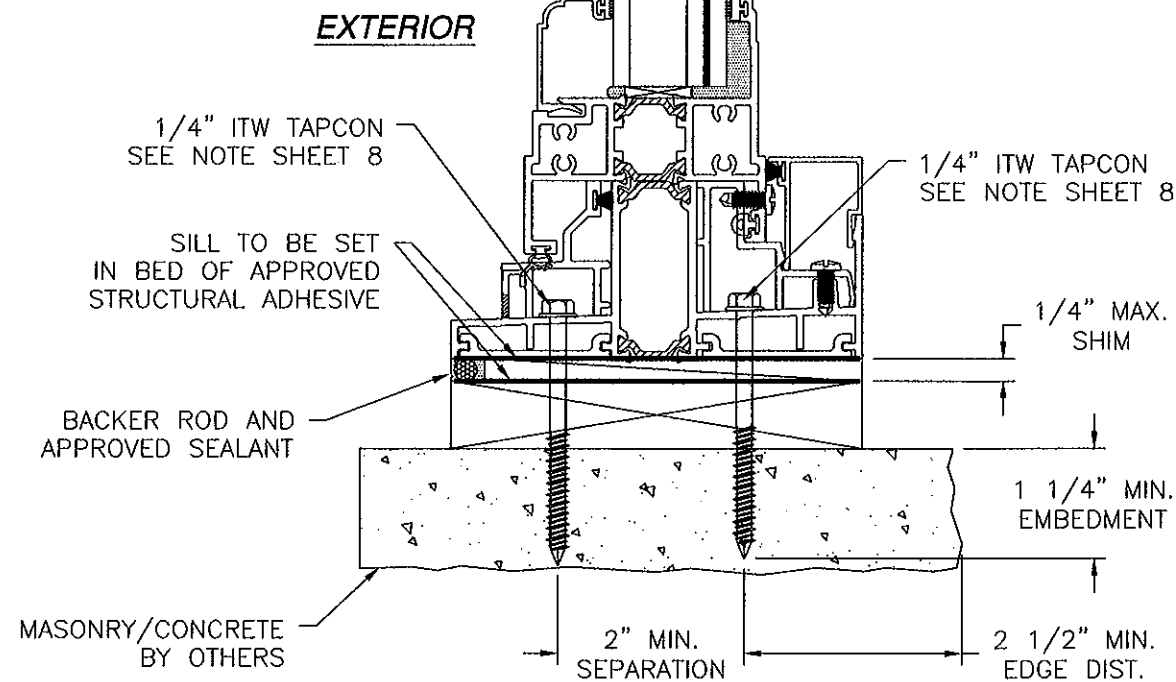
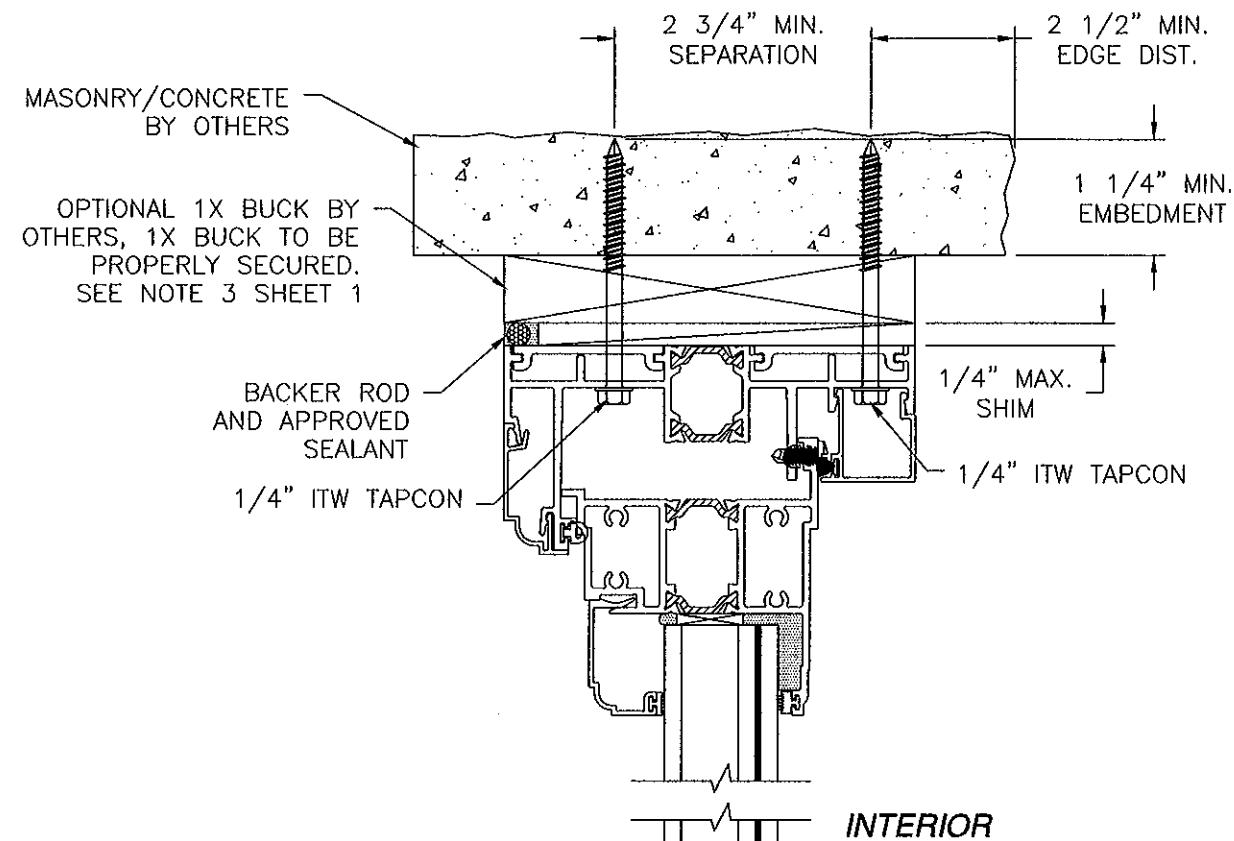
SERIES 9030 THERMALLY BROKEN ALUMINUM  
REMOVABLE SASH FIXED WINDOW LMI  
INSTALLATION DETAILS

DRAWN: TJH	DWG NO. 08-01088	REV A
SCALE NTS	DATE 01/10/11	SHEET 7 OF 11

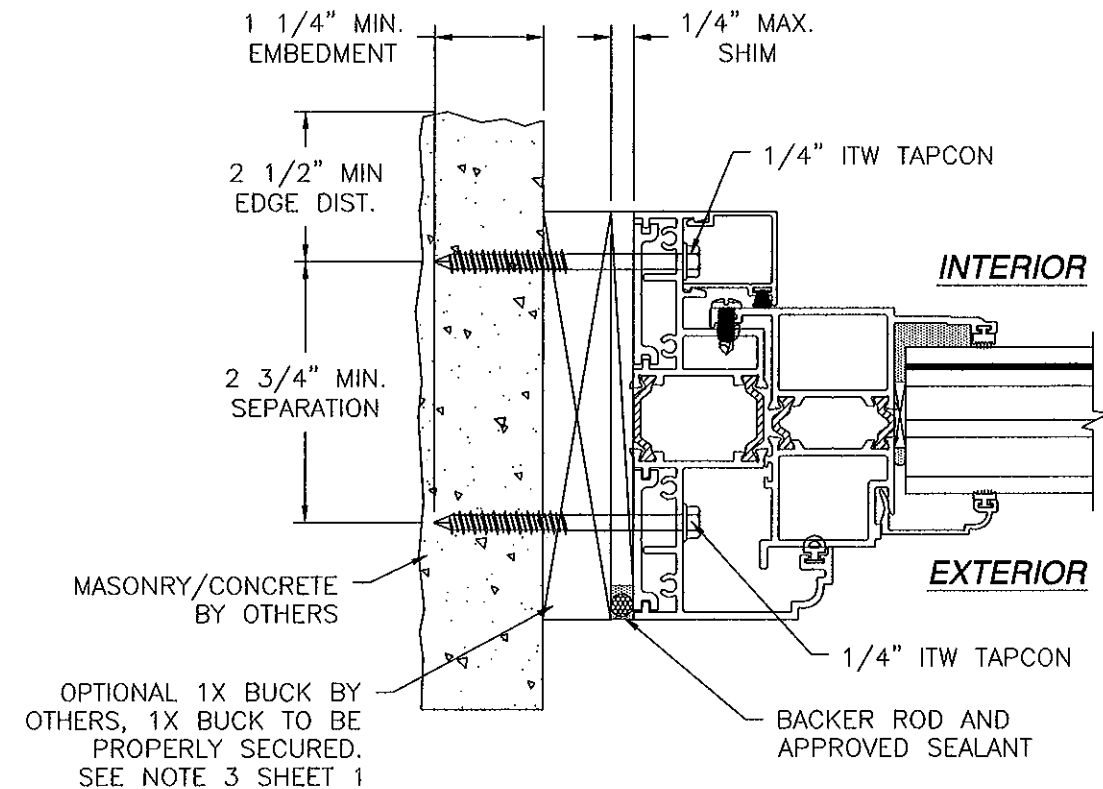
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01/03/12  
Luis R. Lomas P.E.  
Florida No. 62514

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	REVISED NOTES AND TITLES	01/03/12	R.L.



**VERTICAL CROSS SECTION**  
MASONRY/CONCRETE INSTALLATION  
STANDARD BOTTOM RAIL SHOWN, MEDIUM  
AND TALL BOTTOM RAIL SIMILAR



**HORIZONTAL CROSS SECTION**  
MASONRY/CONCRETE INSTALLATION

Approved as complying with the  
Florida Building Code  
Date MARCH 8, 2012  
NOA# 11-1007.02  
Miami Dade Product Control  
By [Signature]

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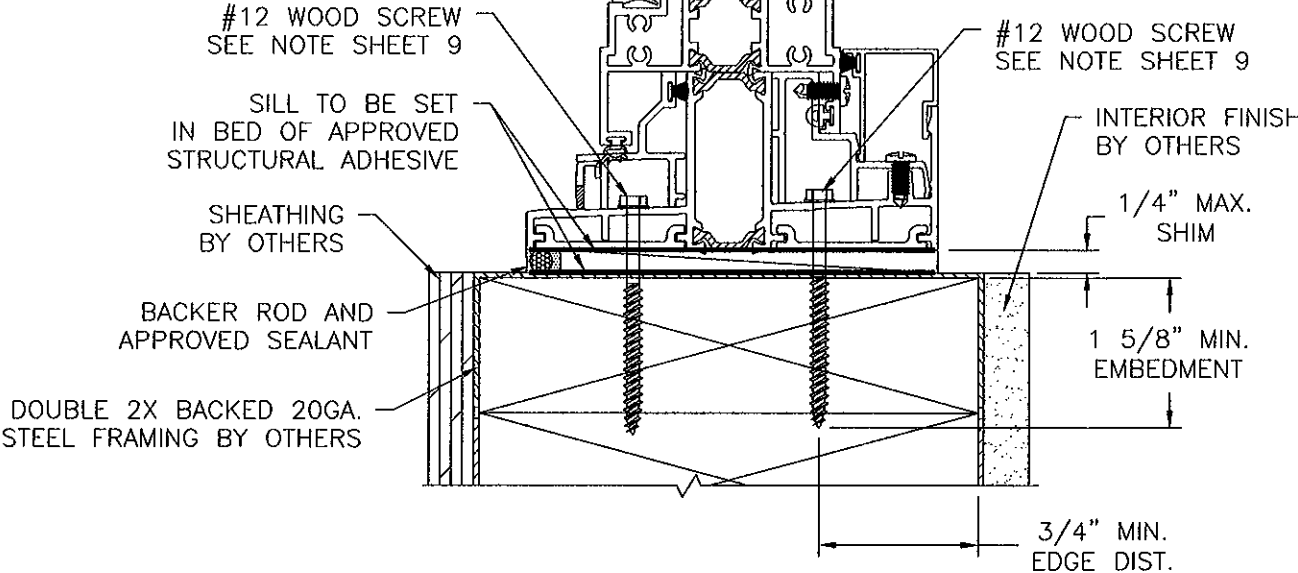
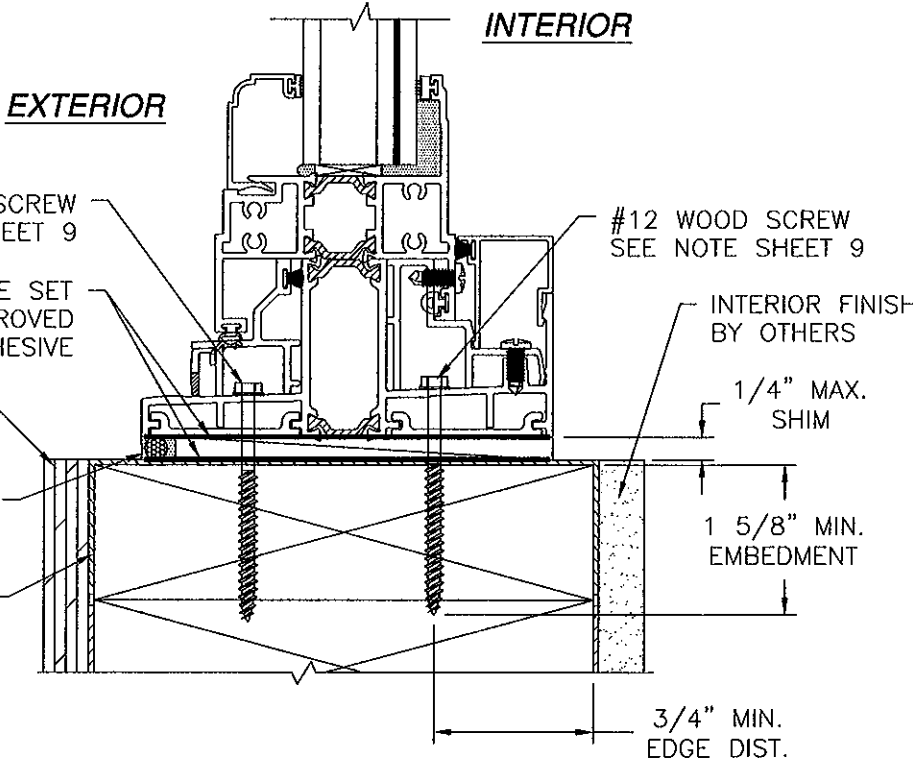
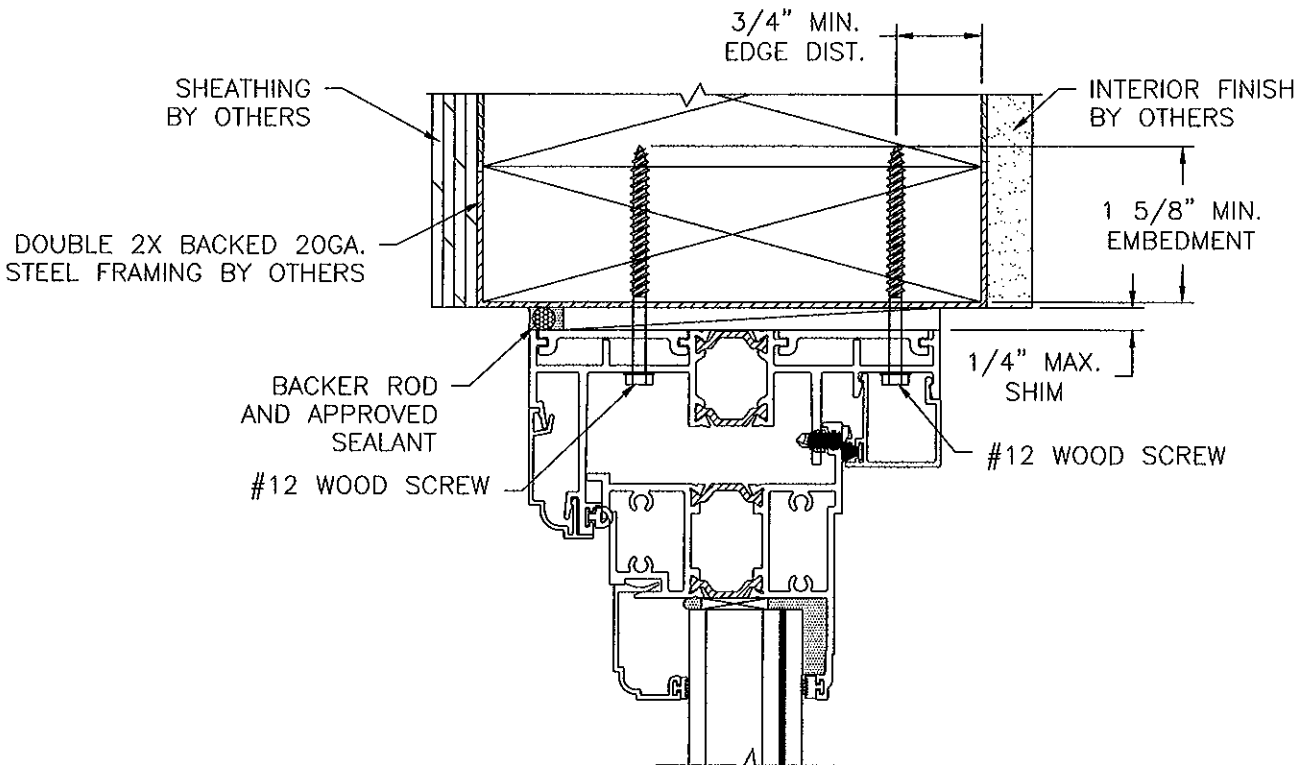
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Fax: 407.481.0505  
www.windoorinc.com

SERIES 9030 THERMALLY BROKEN ALUMINUM  
REMOVABLE SASH FIXED WINDOW LMI  
INSTALLATION DETAILS

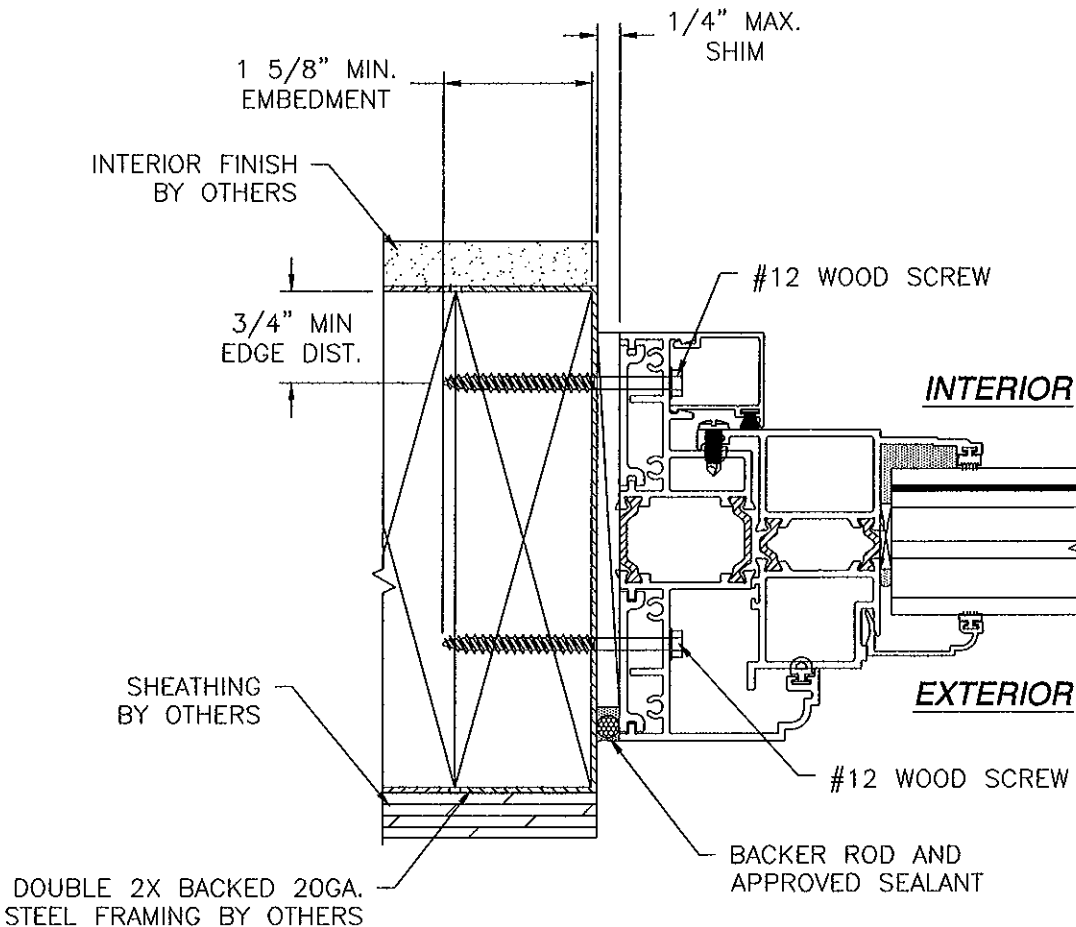
DRAWN: TJH	DWG NO. 08-01088	REV A
SCALE NTS	DATE 01/10/11	SHEET 8 OF 11

[Signature]  
21/05/12  
Luis R. Lomas P.E.  
Florida No. 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED NOTES AND TITLES	01/03/12	R.L.



**VERTICAL CROSS SECTION**  
DOUBLE 2X BACKED STEEL FRAMING INSTALLATION  
STANDARD BOTTOM RAIL SHOWN, MEDIUM  
AND TALL BOTTOM RAIL SIMILAR



**HORIZONTAL CROSS SECTION**  
DOUBLE 2X BACKED STEEL FRAMING INSTALLATION

Approved as complying with the  
Florida Building Code  
Date MARCH 8, 2012  
NOA# 11-1007.02  
Miami Dade Product Control  
By Manuel Perez

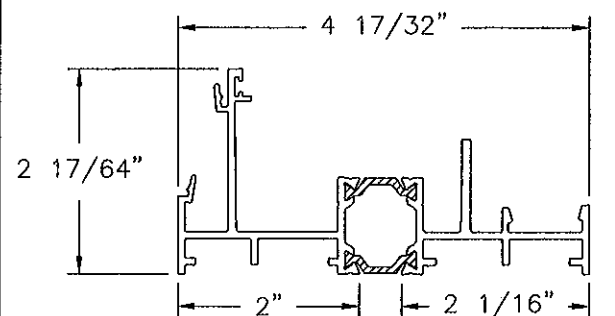
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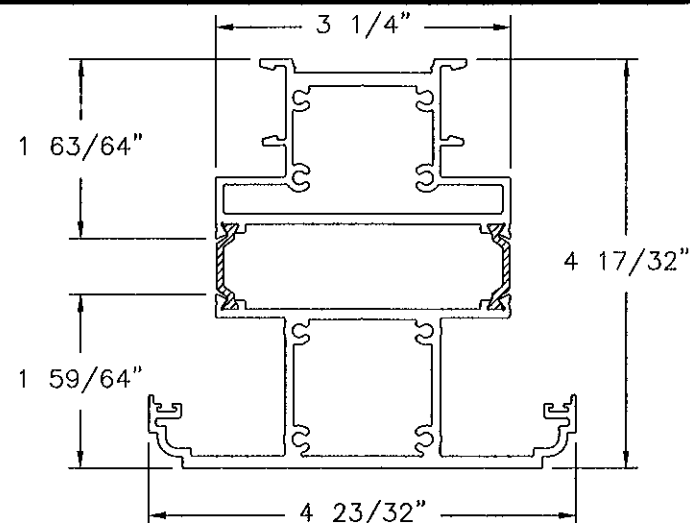
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REMOVABLE SASH FIXED WINDOW LMI  
INSTALLATION DETAILS

DRAWN: TJH	DWG NO. 08-01088	REV A
SCALE NTS	DATE 01/10/11	SHEET 9 OF 11

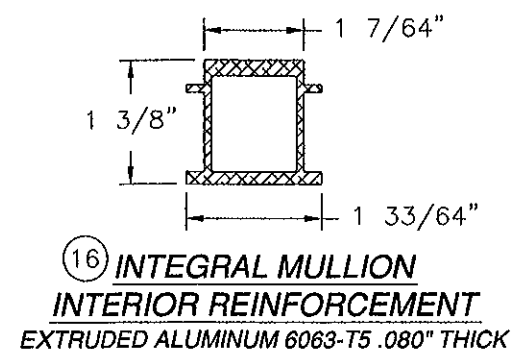
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01/05/12  
Luis R. Lomas P.E.  
Florida No. 62514



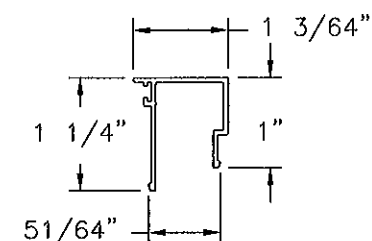
① **FRAME HEAD ASSEMBLY**  
EXTRUDED ALUMINUM 6063-T6 .075" THICK



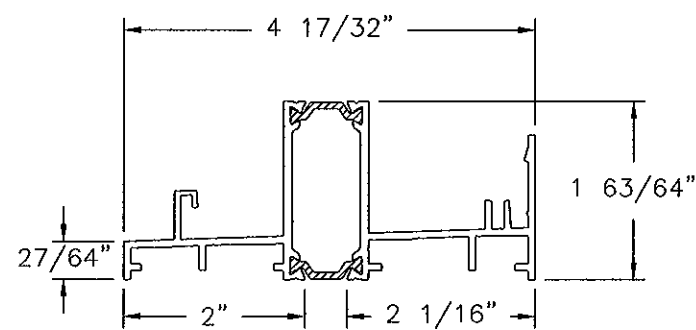
⑨ **INTEGRAL MULLION ASSEMBLY**  
EXTRUDED ALUMINUM 6063-T6 .085" THICK



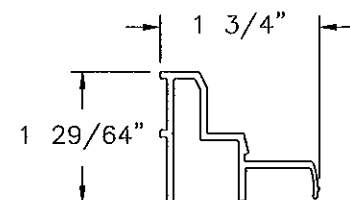
⑮ **INTEGRAL MULLION  
INTERIOR REINFORCEMENT**  
EXTRUDED ALUMINUM 6063-T5 .080" THICK



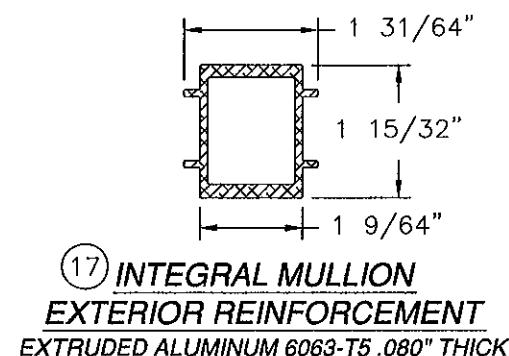
⑪ **FRAME SILL COVER**  
EXTRUDED ALUMINUM 6063-T6 .050" THICK



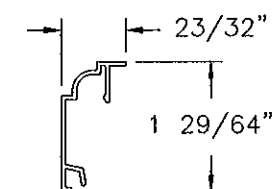
② **FRAME SILL ASSEMBLY**  
EXTRUDED ALUMINUM 6063-T6 .075" THICK



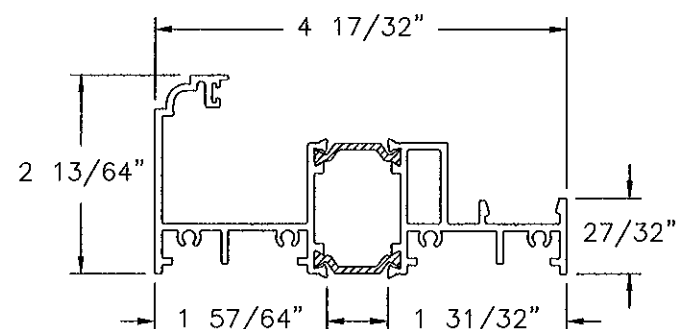
⑫ **FRAME SILL SEAT**  
EXTRUDED ALUMINUM 6063-T6 .075" THICK



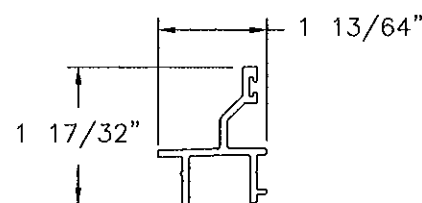
⑰ **INTEGRAL MULLION  
EXTERIOR REINFORCEMENT**  
EXTRUDED ALUMINUM 6063-T5 .080" THICK



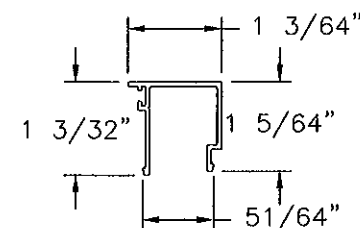
⑩ **FRAME HEAD EXTERIOR COVER**  
EXTRUDED ALUMINUM 6063-T6 .045" THICK



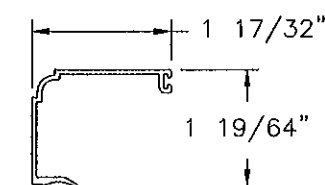
③ **FRAME JAMB ASSEMBLY**  
EXTRUDED ALUMINUM 6063-T6 .075" THICK



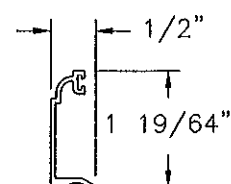
⑭ **SILL ANCHOR COVER EXTERIOR**  
EXTRUDED ALUMINUM 6063-T6 .080" THICK



⑬ **FRAME HEAD/JAMB COVER**  
EXTRUDED ALUMINUM 6063-T6 .050" THICK



⑳ **GLAZING BEAD 7/16" - 9/16"**  
EXTRUDED ALUMINUM 6063-T6 .050" THICK



㉑ **GLAZING BEAD 1 5/8"**  
EXTRUDED ALUMINUM 6063-T6 .050" THICK

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED NOTES AND TITLES	01/03/12	R.L.

Approved as complying with the  
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Miami Dade Product Control  
By Maurice Perry

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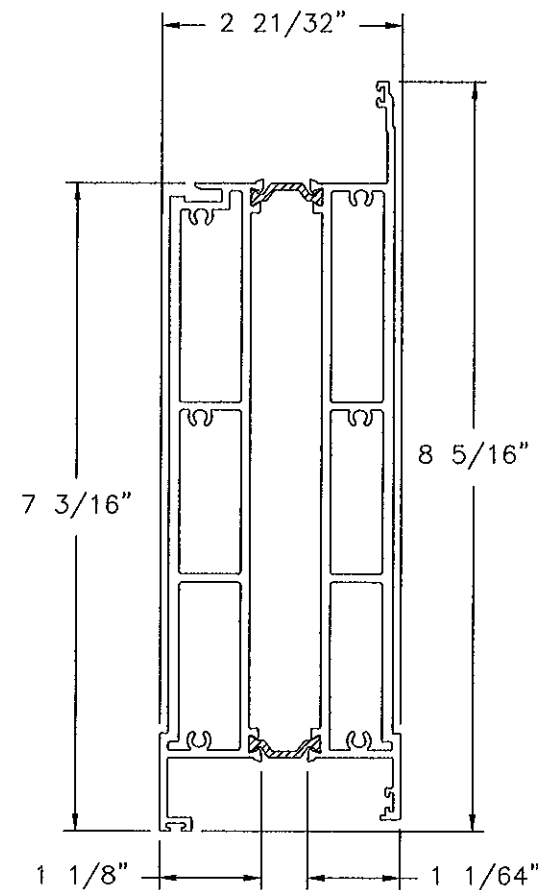
SERIES 9030 THERMALLY BROKEN ALUMINUM  
REMOVABLE SASH FIXED WINDOW LMI  
COMPONENTS

DRAWN: TJH  
DWG NO. 08-01088  
SCALE NTS  
DATE 01/10/11  
SHEET 10 OF 11

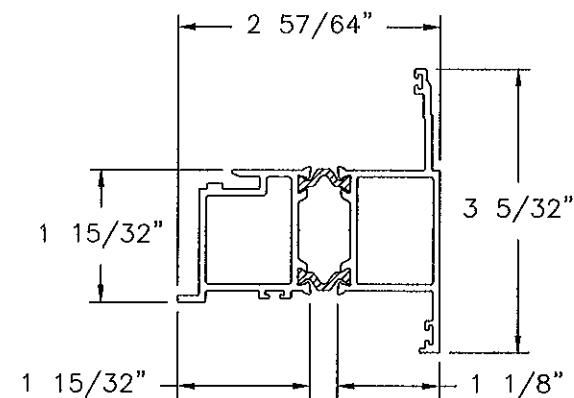
REV A

Luis R. Lomas P.E.  
Florida No. 62514

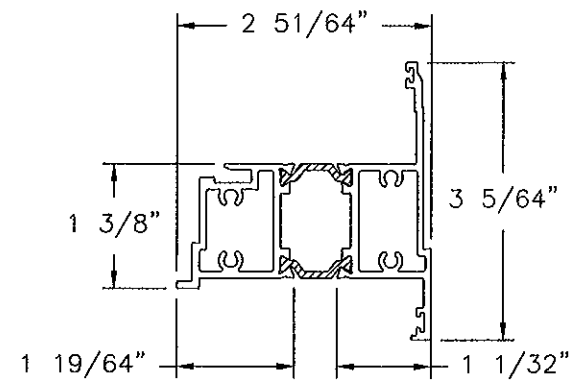
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED NOTES AND TITLES	01/03/12	R.L.



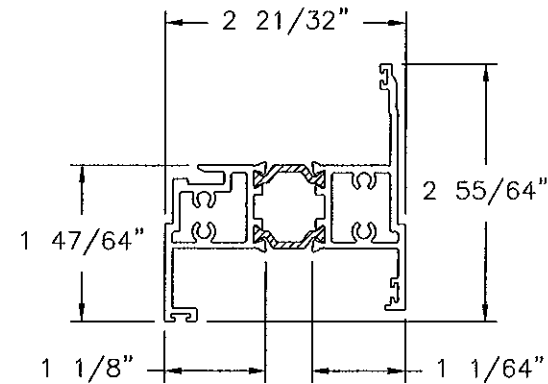
⑦ **PANEL TALL BOTTOM ASSEMBLY**  
EXTRUDED ALUMINUM 6063-T6 .120" THICK



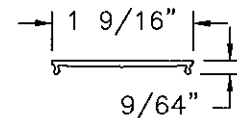
⑧ **PANEL SIDE RAIL ASSEMBLY**  
EXTRUDED ALUMINUM 6063-T6 .075" THICK



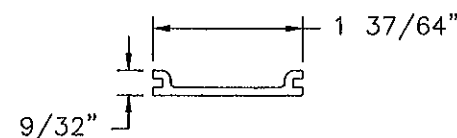
④ **PANEL TOP RAIL ASSEMBLY**  
EXTRUDED ALUMINUM 6063-T6 .075" THICK



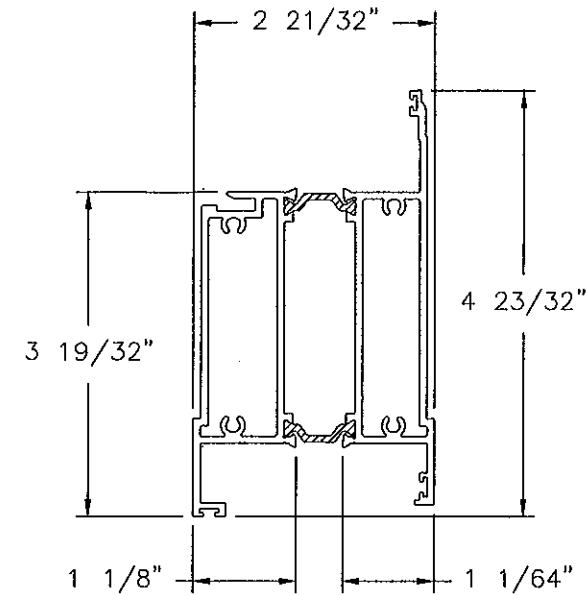
⑤ **PANEL BOTTOM RAIL ASSEMBLY**  
EXTRUDED ALUMINUM 6063-T6 .078" THICK



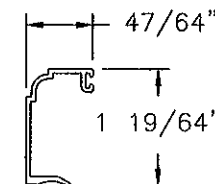
⑮ **INTEGRAL MULLION COVER**  
EXTRUDED ALUMINUM 6063-T6 .062" THICK



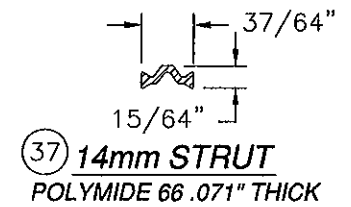
⑱ **FRAME JAMB BACK PLATE**  
EXTRUDED ALUMINUM 6063-T6 .090" THICK



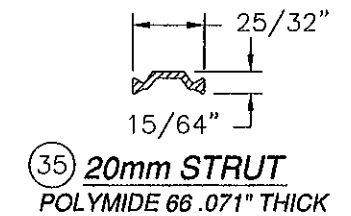
⑥ **PANEL MEDIUM BOTTOM ASSEMBLY**



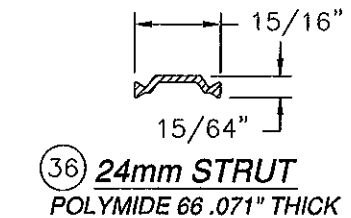
②② **GLAZING BEAD 1 1/4"**  
EXTRUDED ALUMINUM 6063-T6 .050" THICK



③⑦ **14mm STRUT**  
POLYIMIDE 66 .071" THICK



③⑤ **20mm STRUT**  
POLYIMIDE 66 .071" THICK



③⑥ **24mm STRUT**  
POLYIMIDE 66 .071" THICK

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Miami Dade Product Control  
By Manuel Perez

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COMPONENTS

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REV A

Luis R. Thomas  
01/05/12  
Luis R. Thomas P.E.  
Florida No. 62514